

WHAT IS CLAIMED IS:

1. An imaging apparatus for a microscope,  
comprising:

5 an imaging section which picks up an observation  
image of a sample formed in a microscope body;

an imaging apparatus body having the imaging  
section;

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10 a display section which displays image data  
corresponding to the observation image picked up by  
the imaging section; and

an operation section which performs operation of  
the imaging section, wherein

the imaging apparatus body and the display section  
are separate from each other.

15 2. The imaging apparatus for a microscope  
according to claim 1, wherein

the operation section is attached to the display  
section, and

20 an angle of the display section to the operation  
section is adjustable.

3. The imaging apparatus for a microscope  
according to claim 1, further comprising:

25 a storage section which stores image data  
corresponding to the observation image picked up by  
the imaging section, wherein

the display section displays the image data stored  
in the storage section,

the operation section which designates a display magnification of the image data stored in the storage section,

5 in accordance with a designation made by the operation section, a partial area of the image data is displayed on the display section, enlarged at the display magnification, and

an attachable and detachable recording medium for recording entire of the image data stored in the storage section.

4. The imaging apparatus for a microscope according to claim 3, wherein the partial area displayed and enlarged is a center part of the image data.

15 5. The imaging apparatus for a microscope according to claim 3, wherein

the operation section instructs position adjustment in the image data of the area enlarged and displayed, and

20 the control section moves the area enlarged and displayed, within the image data, in accordance with an instruction made by the operation section.

6. The imaging apparatus for a microscope according to claim 5, wherein the control section displays an index indicating the predetermined area, 25 on the display section.

7. The imaging apparatus for a microscope

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according to claim 3, further comprising a recording medium which records at least a part of the image data stored in the storage section.

5           8. The imaging apparatus for a microscope according to claim 7, wherein the control section reads at least one image recorded on the recording medium and displays the image on the display section, minified in a list.

10           9. The imaging apparatus for a microscope according to claim 3, wherein  
            the operation section sets the plurality of predetermined areas within the image area, and  
            the control section displays images of the predetermined areas, at the display magnification, in  
15           a list, on the display section.

            10. The imaging apparatus for a microscope according to claim 1, wherein  
            the operation section is integrated with one of the imaging apparatus body and the display  
20           section.

            11. The imaging apparatus for a microscope according to claim 1, wherein the operation section is separate from the imaging apparatus body and the display section.

25           12. The apparatus according to claim 1, wherein the operation section is attachable to and detachable from one of the imaging apparatus body and the display

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section.

13. The imaging apparatus for a microscope according to claim 1, wherein the operation section transmits contents of inputted operation by an electric signal to the imaging apparatus body.

14. The imaging apparatus for a microscope according to claim 1, wherein the operation section transmits contents of inputted operation by an electric signal to the display section.

15. An imaging apparatus for a microscope, comprising:

an imaging section which picks up an observation image of a sample formed in a microscope body;

a storage section which stores image data corresponding to the observation image picked up by the imaging section;

a display section which displays the image data stored in the storage section;

an operation section which designates a display magnification of the image data stored in the storage section; and

a control section which displays a partial area of the image data, at the display magnification, in accordance with a designation made by the operation section.

16. The imaging apparatus for a microscope according to claim 15, wherein the partial area is

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a center part of the image data.

17. The imaging apparatus for a microscope  
according to claim 15, wherein

5 the operation section instructs position  
adjustment of the partial area within the image data,  
and

the control section moves the partial area within  
the image data, in accordance with an instruction made  
by the operation section.

10 18. The imaging apparatus for a microscope  
according to claim 15, further comprising a recording  
medium which records at least a part of the image data  
stored in the storage section.

15 19. The imaging apparatus for a microscope  
according to claim 17, wherein the control section  
displays an index indicating the predetermined area,  
on the display section.

20 20. The imaging apparatus for a microscope  
according to claim 18, wherein the control section  
reads at least one image recorded on the recording  
medium and displays the image on the display part,  
minified in a list.

21. The imaging apparatus for a microscope  
according to claim 15, wherein

25 the operation section sets a plurality of the  
predetermined areas within the image area, and  
the control section displays images of the

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predetermined areas, at the display magnification, in  
a list on the display section.

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